# WIPER AND WASHER SYSTEM

## SPECIFICATIONS

### GENERAL SPECIFICATIONS

**WINDSHIELD WIPERS AND WASHER**

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windshield wiper motor</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Permanent-magnet type</td>
</tr>
<tr>
<td>Speed control system</td>
<td>Third brush system</td>
</tr>
<tr>
<td>Braking system</td>
<td>Dynamic brake system</td>
</tr>
<tr>
<td>Revolution no load rpm</td>
<td>50 ± 5</td>
</tr>
<tr>
<td>Low speed</td>
<td>75 ± 13</td>
</tr>
<tr>
<td>High speed</td>
<td>13 (9)</td>
</tr>
<tr>
<td>Nominal torque</td>
<td></td>
</tr>
<tr>
<td>Windshield wiper blade</td>
<td></td>
</tr>
<tr>
<td>Wiping angle</td>
<td>85.5°</td>
</tr>
<tr>
<td>Driver’s side</td>
<td>114°</td>
</tr>
<tr>
<td>Passenger’s side</td>
<td></td>
</tr>
<tr>
<td>Wiper blade length</td>
<td>396–401 (15.6–15.8)</td>
</tr>
<tr>
<td>Window washer motor and pump</td>
<td></td>
</tr>
<tr>
<td>Motor type</td>
<td>Direct current ferrite magnet type</td>
</tr>
<tr>
<td>Pump type</td>
<td>Centrifugal type</td>
</tr>
<tr>
<td>Power consumption A</td>
<td>3.5 or less</td>
</tr>
<tr>
<td>Allowable period of continuous use sec.</td>
<td>Max. 20</td>
</tr>
<tr>
<td>With washer fluid</td>
<td>70 (12.8) or more</td>
</tr>
<tr>
<td>Nozzle jet pressure kPa (psi)</td>
<td>1.5 (1.6) or more</td>
</tr>
<tr>
<td>Tank capacity lit. (qts.)</td>
<td></td>
</tr>
<tr>
<td>Intermittent wiper relay</td>
<td>1.5 ± 0.7–10.5 ± 3</td>
</tr>
<tr>
<td>Intermittent time sec.</td>
<td>0.4–1.2</td>
</tr>
<tr>
<td>Delay time in washer moving sec.</td>
<td>60</td>
</tr>
<tr>
<td>Working load W</td>
<td></td>
</tr>
</tbody>
</table>

### HEADLIGHT WASHER

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Washer motor and pump</td>
<td>Ferrite magnet type</td>
</tr>
<tr>
<td>Motor type</td>
<td>Centrifugal type</td>
</tr>
<tr>
<td>Pump type</td>
<td>21 or less</td>
</tr>
<tr>
<td>Power consumption A</td>
<td>180 (25.6) or more</td>
</tr>
<tr>
<td>Nozzle injection pressure kPa (psi)</td>
<td>3.5 (3.7)</td>
</tr>
<tr>
<td>Tank capacity lit. (qts.)</td>
<td></td>
</tr>
<tr>
<td>Headlight washer control unit</td>
<td>0.52</td>
</tr>
<tr>
<td>Time setting sec.</td>
<td></td>
</tr>
<tr>
<td>Check valve</td>
<td></td>
</tr>
<tr>
<td>Valve opening and closing pressure kPa (psi)</td>
<td>49–108 (7.1–15.6)</td>
</tr>
</tbody>
</table>
### COLUMN SWITCH

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiper-washer switch</td>
<td></td>
</tr>
<tr>
<td>Wiper switch</td>
<td></td>
</tr>
<tr>
<td>Rated load A</td>
<td>3.5</td>
</tr>
<tr>
<td>Low</td>
<td>0.17–0.27</td>
</tr>
<tr>
<td>Intermittent</td>
<td>4.5</td>
</tr>
<tr>
<td>High</td>
<td>18</td>
</tr>
<tr>
<td>Lock</td>
<td></td>
</tr>
<tr>
<td>Voltage drop (at 12V and the rated load) V</td>
<td>0.2 or less</td>
</tr>
<tr>
<td>Washer switch</td>
<td></td>
</tr>
<tr>
<td>Rated load A</td>
<td>3</td>
</tr>
<tr>
<td>Voltage drop (at 12V and the rated load) V</td>
<td>0.5 or less</td>
</tr>
<tr>
<td>Headlight washer switch</td>
<td></td>
</tr>
<tr>
<td>Rated load A</td>
<td>0.5</td>
</tr>
<tr>
<td>Voltage drop (at 12V and the rated load) V</td>
<td>0.2 or less</td>
</tr>
</tbody>
</table>

### REAR WIPER AND WASHER

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wiper motor</td>
<td></td>
</tr>
<tr>
<td>Motor type</td>
<td>Ferrite magnet type</td>
</tr>
<tr>
<td>Braking system</td>
<td>Dynamic braking system</td>
</tr>
<tr>
<td>Revolution under no-load rpm</td>
<td>40±5</td>
</tr>
<tr>
<td>Nominal torque Nm (ft.lbs.)</td>
<td>8 (6)</td>
</tr>
<tr>
<td>Wiper blade</td>
<td></td>
</tr>
<tr>
<td>Wiping angle</td>
<td>106°</td>
</tr>
<tr>
<td>Blade length mm (in.)</td>
<td>380–385 (15.0–15.2)</td>
</tr>
<tr>
<td>Window washer motor and pump</td>
<td></td>
</tr>
<tr>
<td>Motor type</td>
<td>Direct current ferrite magnet type</td>
</tr>
<tr>
<td>Pump type</td>
<td>Centrifugal type</td>
</tr>
<tr>
<td>Power consumption A</td>
<td>3.5 or less</td>
</tr>
<tr>
<td>Allowable period of continuous use sec.</td>
<td>Max. 60</td>
</tr>
<tr>
<td>With washer fluid</td>
<td></td>
</tr>
<tr>
<td>Empty operation</td>
<td>Max. 20</td>
</tr>
<tr>
<td>Nozzled jet-spray pressure kPa (psi)</td>
<td>78 (11.4) or more</td>
</tr>
<tr>
<td>Tank capacity lit. (qts.)</td>
<td>1.1 (1.2) or more</td>
</tr>
</tbody>
</table>

### REAR WIPER AND WASHER SWITCH

<table>
<thead>
<tr>
<th>Items</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated load A</td>
<td>3</td>
</tr>
<tr>
<td>Wiper switch</td>
<td></td>
</tr>
<tr>
<td>Washer switch</td>
<td>5</td>
</tr>
<tr>
<td>Voltage drop (at 12V and the rated load) V</td>
<td>0.1 or less</td>
</tr>
</tbody>
</table>
## TORQUE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Items</th>
<th>Nm</th>
<th>ft.lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windshield wiper pivot shaft installing nut</td>
<td>10–16</td>
<td>7–12</td>
</tr>
<tr>
<td>Windshield wiper arm locking nut</td>
<td>10–16</td>
<td>7–12</td>
</tr>
<tr>
<td>Windshield wiper motor</td>
<td>7–10</td>
<td>5–7</td>
</tr>
<tr>
<td>Steering wheel lock nut</td>
<td>35–45</td>
<td>25–33</td>
</tr>
<tr>
<td>Rear wiper pivot shaft installing nut</td>
<td>8–12</td>
<td>6–9</td>
</tr>
<tr>
<td>Rear wiper arm locking nut</td>
<td>7–10</td>
<td>5–7</td>
</tr>
<tr>
<td>Rear wiper motor</td>
<td>7–10</td>
<td>5–7</td>
</tr>
</tbody>
</table>
TROUBLESHOOTING

WIPER AND WASHER CIRCUIT

CIRCUIT DIAGRAM <2.6L Engine>

Battery - Main fusible link

Ignition switch

START
OFF
ACC
AM
ACC
C-66

Light control relay

Headlight - washer motor

Sub fusible link

A-18

A-19

A-29

Lighting switch
[Refer to P.8-66.]

Multi-purpose fuse

Wiring color code:
B: Black  Br: Brown  G: Green  Gr: Gray  L: Blue  Lg: Light green
Ll: Light blue  O: Orange  P: Pink  R: Red  Y: Yellow  W: White

Remarks
1. For information concerning the ground points (example: ①), refer to P.8-19.
2. The symbols ①, ② etc. indicate that the wiring is connected (using the same numerical symbol) to the facing page. (In other words, ① on the right page is connected to ① on the left page.)
WIPER AND WASHER SYSTEM - Troubleshooting

Column switch
Front wiper switch

Headlight washer switch
OFF INT LO HI Front washer switch

Rear wiper and washer switch
ON OFF INT

Intermittent rear wiper relay
Front washer motor
Front wiper motor
Rear washer motor
Rear wiper motor

TSB Revision
WIPER AND WASHER SYSTEM – Troubleshooting

WIPER AND WASHER CIRCUIT
CIRCUIT DIAGRAM <3.0L Engine>

Battery 100A 40A 5-W 5-W 3-W 3-R 3-R 3-R
Main fusible link

Sub fusible link 0.85-R 3-W

Light control relay B-72 5-W 5-W

Ignition switch
OFF ON ACC AM

Start fuse B-40

Multi-purpose fuse

0.85-L 0.85-L

B: Black Br: Brown G: Green Gr: Gray L: Blue Lg: Light green
Li: Light blue O: Orange P: Pink R: Red Y: Yellow W: White

Remarks
1. The dotted line (...) is applicable to models equipped with the dual air conditioner system.
2. For information concerning the ground points (example: 11), refer to P.8-14.
3. The symbols ①, ②, etc. indicate that the wiring is connected (using the same numerical symbol) to the facing page.
   (In other words, ① on the right page is connected to ① on the left page.)

Wiring color code
B: Black Br: Brown G: Green Gr: Gray L: Blue Lg: Light green
Li: Light blue O: Orange P: Pink R: Red Y: Yellow W: White
WIPER AND WASHER SYSTEM – Troubleshooting

1. Column switch
2. Front wiper switch
   - Headlight
   - ON
   - OFF
   - INT
3. Rear wiper and washer switch
   - ON
   - OFF
   - INT
4. Front wiper motor
5. Rear wiper motor
6. Rear washer motor
7. Intermittent rear wiper relay

TSB Revision
WINDSHIELD WIPERS AND WASHER

OPERATION

Wiper Operation
- When the wiper switch is at "ON" with the ignition switch at either "ACC" or "ON", current flows through fuse No. 9, rear wiper motor, rear wiper switch and ground; the wiper operate.

Wiper Low-speed and High-speed Operation
- When the front wiper switch is at "LO" with the ignition switch at either "ACC" or "ON", current flows through fuse No. 8, front wiper motor (low-speed brush), front wiper switch and ground; the wipers operate at low speed.
- When the front wiper switch is at "HI", current flows through fuse NO. 8, front wiper motor (high-speed brush), front wiper switch, and ground; the wipers operate at high speed.

Wiper Automatic Stopping Operation
- When the front wiper switch is set at "OFF" to stop the wipers, current flows through the front wiper motor (low-speed brush), front wiper switch, intermittent wiper control relay (contacts), front wiper motor (cam contacts), and ground, causing the front wiper motor to continue operation until the wiper blades return to their park positions.
- Once the wiper blades have reached park positions, the front wiper motor cam moves to open its contacts. This interrupts flow of current to ground, and the front wiper motor stops.

Wiper Intermittent operation
- With the ignition switch at "ACC" or "ON", battery voltage is applied to the intermittent wiper control relay through fuse No. 8.
- When the front wiper switch is at "INT", current flows through the intermittent wiper control relay, front wiper switch, and ground, causing the front wiper motor to operate.
- While the contacts are closed, current flows through the front wiper motor (low-speed brush), front wiper switch, intermittent wiper control relay (contacts), and ground, causing the front wiper motor to operate.
- When the front wiper motor starts operating, the relay internal contacts open, causing current to flow through the front wiper motor (cam contacts), and ground. This keeps the front wiper motor operating until the wiper blades return to their park positions.
- Once the wiper blades have reached park positions, the front wiper motor cam moves to open its contacts. This interrupts flow of current to ground so the front wiper motor stops.

Wiper Operation Coordinated with Washer
- With the ignition key at the “ACC” or “ON” position, voltage is supplied, through fuse No. 8 and the front washer motor, to the front washer switch.
- When the front washer switch is switched ON, current flows to fuse No. 8, the front washer motor, the front washer switch, and ground, and, at the same time that the front washer operates, the intermittent wiper control relay is switched ON, and current flows to fuse No. 8, the front wiper motor (low-speed brushes), the front wiper switch, the intermittent wiper control relay, and ground, and the front wiper motor is activated.

TROUBLESHOOTING HINTS

1. Wipers do not operate
   (1) Washer also does not operate
   • Check fuse.
   • Check for ground connection.
2. Wipers do not operate at low speed (or high speed)
   • Check front wiper switch.
3. Wipers do not operate in intermittent mode
   • Check intermittent wiper control relay terminal voltage with relay energized.

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Voltage</th>
<th>Check location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0V</td>
<td>Front wiper switch</td>
</tr>
<tr>
<td></td>
<td>12V</td>
<td>Intermittent wiper control relay</td>
</tr>
<tr>
<td></td>
<td>Changes between 0V and 12V repeatedly</td>
<td>(Normal)</td>
</tr>
</tbody>
</table>

4. Wipers fail to stop
   • Check front wiper motor.
5. Wipers do not operate coordinated with washer
   • Check intermittent wiper control relay.
REAR WIPERS AND WASHER OPERATION

Wiper Automatic Stopping Operation
- When the rear wiper switch is set at "OFF" to stop the wiper, current flows through the rear wiper motor, rear wiper switch, intermittent rear wiper relay (contacts), rear wiper motor (cam contacts), and ground, causing the rear wiper motor to continue operation until the wiper blade return to its park positions.
- Once the wiper blade has reached park positions, the rear wiper motor cam moves to open its contacts. This interrupts flow of current to ground, and the rear wiper motor stops.

Wiper Intermittent Operation
- With the ignition switch at "ACC" or "ON", battery voltage is applied to the intermittent rear wiper relay through fuse No. 9.
- When the rear wiper switch is at "INT", current flows through the intermittent rear wiper relay, rear wiper switch, and ground, and the intermittent rear wiper relay internal contacts close and open repeatedly.
- While the contacts are closed, current flows through the rear wiper motor, rear wiper switch, intermittent rear wiper relay (contacts), and ground, causing the rear wiper motor to operate.
- When the rear wiper motor starts operating, the relay internal contacts open, causing current to flow through the rear wiper motor (cam contacts), and ground. This keeps the rear wiper motor operating until the wiper blade return to their park positions.
- Once the wiper blade has reached park positions, the rear wiper motor cam moves to open its contacts. This interrupts flow of current to ground so the wiper motor stops.

Rear washer operation
- With the ignition key at the "ACC" or "ON" position, voltage is applied, through fuse No. 9 and the rear washer motor, to the rear washer switch.
- When the rear washer switch is switched ON, current flows to fuse No. 9, the rear washer motor, the rear washer switch, and ground, and the rear washer begins operation.

TROUBLESHOOTING HINTS

1. Wipers do not operate
   (1) Washer also does not operate
   - Check fuse.
   - Check for ground connection.
2. Wipers do not operate in intermittent mode
   - Check intermittent wiper relay terminal voltage with relay energized.

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Voltage</th>
<th>Check location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0V</td>
<td>Rear wiper switch</td>
</tr>
<tr>
<td></td>
<td>12V</td>
<td>Interimtative wiper</td>
</tr>
<tr>
<td></td>
<td>Changes between 12V repeatedly</td>
<td>-(Normal)</td>
</tr>
</tbody>
</table>

3. Wipers fail to stop
   - Check wiper motor.
WINDSHIELD WIPERS
REMOVAL AND INSTALLATION

Removal steps
1. Wiper blades
2. Wiper arms
3. Wiper pivot shield caps
4. Wiper pivot collars
5. Wiper motor
6. Wiper link

NOTE
(1) Reverse the removal procedures to reinstall.
(2) Refer to "Service Points of Removal".
(3) Refer to "Service Points of Installation".

SERVICE POINTS OF REMOVAL
5. WIPER MOTOR
Uncouple the linkage and motor (with the wiper motor pulled slightly outward).

Caution
Because the installation position of the crank arm and the motor determine the wiper auto stop angle, do not disassemble them unless it is necessary to do so. If the crank arm must be removed from the motor, remove it only after marking their mounting positions.

SERVICE POINTS OF INSTALLATION
2. INSTALLATION OF WIPER ARMS
Install the wiper arm to the pivot shaft so that the wiper blade's stop position is the position shown in the illustration.
INSPECTION

WIPER MOTOR
Disconnect the wiring connector from the wiper motor and connect battery to the wiper motor connector to check that the wiper motor runs.

LOW SPEED OPERATION CHECK
Connect battery (+) to terminal 1 and battery (−) to terminal 3 and check that the motor runs at low speed.

HIGH SPEED OPERATION CHECK
Connect battery (+) to terminal 1 and battery (−) to terminal 4 and check that the motor runs at high speed.

AUTOMATIC STOP OPERATION CHECK
(1) Connect battery (+) to terminal 1 and battery (−) to terminal 3 to run the motor at low speed.
(2) Disconnect terminal 1 during operation to stop the motor.
(3) Connect terminal 2 to terminal 3 and connect battery (+) to terminal 1 and battery (−) to the wiper motor bracket to check that the motor starts to run at low speed and then stops.
INTERMITTENT WIPER RELAY
Remove the intermittent wiper relay (located at the upper part of the left side cowl side trim).

CONTINUITY CHECK
Check to see that there is continuity between terminals 2 and 5.

INTERMITTENT OPERATION CHECK
(1) Connect the battery and the test light to the relay, as shown in the figure.
(2) Insert a variable resistance between terminal 8 and battery (−) (VR = 0–50 kΩ)
(3) The condition is normal if, when the battery’s negative (−) terminal is connected to terminal 7, the test light illuminates at the same time, and thereafter, in accordance with the value of the variable resistance, stops illumination (approx. 1.5 sec. – approx. 10.5 sec.) and then illuminates (approx. 1 sec.) over and over again.

WASHER INTERLOCK OPERATION CHECK
(1) Connect the battery and the test light to the relay, as shown in the figure.
(2) When terminal 3 is connected to the battery’s negative (−) terminal, the test light will illuminate approximately 1 second thereafter, and then there will be a release for about seconds after connecting to the battery’s negative (−) terminal.
(3) The condition is normal if about 3 seconds thereafter the test light stops illumination.
REAR WIPER

REMOVAL AND INSTALLATION

Removal steps
1. Inside handle cover
2. Back door trim and waterproof film
3. Wiper blade
4. Wiper arm
5. Wiper pivot cap
6. Wiper pivot washer
7. Wiper pivot packing
8. Wiper motor

NOTE
(1) Reverse the removal procedures to reinstall.
(2) Refer to “Service Points of Removal”
(3) Refer to “Service Points of Installation”

SERVICE POINTS OF REMOVAL
2. REMOVAL OF BACK DOOR TRIM AND WATERPROOF FILM
Refer to GROUP 23 – Back Door Trim and Waterproof Film.

SERVICE POINTS OF INSTALLATION
3. INSTALLATION OF WIPER BLADE
Install the wiper arm so that the wiper blade is parallel to the lower edge of the window glass.

2. INSTALLATION OF BACK DOOR TRIM AND WATERPROOF FILM
Refer to GROUP 23 – Back Door Trim and Waterproof Film.

INSPECTION
WIPER MOTOR
Disconnect the wiring connector from the wiper motor and connect battery to the wiper motor connector to check that the wiper motor runs.

TSB Revision
WIPER AND WASHER SYSTEM – Rear Wiper/Windshield Washer

**OPERATION CHECK**
Connect battery (+) to terminal 1 and battery (−) to terminal 3 to check that the motor runs.

**AUTOMATIC OPERATION CHECK**
1. Connect battery (+) to terminal 1 and battery (−) to terminal 3 to run the motor.
2. While the motor is running, disconnect terminal 1 to stop the motor.
3. Connect terminal 2 to terminal 3 and connect battery (+) to terminal 1 and battery (−) to wiper motor bracket to check that the motor starts to run again and then stops.

**WINDSHIELD WASHER**
**REMOVAL AND INSTALLATION**

1. Windshield washer tank
2. Washer motor and pump
3. Washer tube
4. Washer nozzle

* indicates vehicles with 2.6L engine.
REAR WASHER

REMOVAL AND INSTALLATION

<2-door vehicles>

<4-door vehicles>

Removal steps
1. Retractor cover
2. Speaker
3. Quarter trim
4. Rear washer tank
5. Washer motor and pump
6. Washer tube, nozzle and tube

NOTE
(1) The rear washer tank for models equipped with the dual air conditioner is installed at the left side.
(2) Reverse the removal procedures to reinstall.
(3) : Refer to "Service Points of Removal".
(4) : Refer to "Service Points of Installation".

INSPECTION

WASHER MOTOR AND PUMP
Make the check while the motor is installed to the washer tank.
(1) Check to be sure that there is washer fluid in the washer tank.
(2) Check to be sure that the washer motor operates and the fluid is forced out under pressure when the battery’s positive (+) terminal is connected to terminal 2 and the negative (−) terminal is connected to terminal 1.
SERVICE POINTS OF REMOVAL

3. REMOVAL OF QUARTER TRIM
   Refer to GROUP 23 – Trims.

INSPECTION

WASHER MOTOR AND PUMP
   Refer to P.8-217.

SERVICE POINTS OF INSTALLATION

3. INSTALLATION OF QUARTER TRIM
   Refer to GROUP 23 – Trims.

HEADLIGHT WASHER

REMOVAL AND INSTALLATION

Removal steps
1. Radiator grille
2. Front combination light
3. Headlight bezel
4. Headlight washer nozzle
5. Washer tube
6. Check valve
7. Headlight washer tank
8. Washer motor and pump

NOTE
   Reverse the removal procedures to reinstall.

INSPECTION

WASHER MOTOR AND PUMP
   Make the check while the motor is installed to the washer tank.
   (1) Check to be sure that there is washer fluid in the washer tank.
   (2) Check to be sure that the washer motor operates and the fluid is forced out under pressure when the battery’s positive (+) terminal is connected to terminal 2 and the negative (−) terminal is connected to terminal 3.
**HEADLIGHT WASHER RELAY**
Remove the headlight washer relay (located at the upper part of the left side cowl side trim).

**WASHER OPERATION CHECK**
(1) Connect the battery and the test light to the relay as shown in the figure.
(2) If, when terminal 1 is connected to the negative (−) terminal of the battery, the light illuminates (for about 0.5 second), the unit is operating normally.

**COLUMN SWITCH**
**REMOVAL AND INSTALLATION**
Refer to P. 8-200.

**SERVICE POINTS OF REMOVAL**
Refer to P. 8-200.

**INSPECTION**
Remove the steering lower cover, and then detach the connector of the column switch from the wiring harness. Operate the switch and check the continuity between the terminals.
WIPER AND WASHER SWITCH

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal 20</th>
<th>18</th>
<th>15</th>
<th>14</th>
<th>19</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LO</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HI</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE
(1) O—O indicates that there is continuity between the terminals.
(2) The dotted lines indicate that the washer switch ON.

HEADLIGHT WASHER

<table>
<thead>
<tr>
<th>Switch Position</th>
<th>Terminal 12</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON</td>
<td></td>
<td>O</td>
</tr>
</tbody>
</table>

NOTE
O—O indicates that there is continuity between the terminals.

REAR WIPER AND WASHER SWITCH

REMOVAL AND INSTALLATION

1. Rear wiper and washer switch

NOTE
**: Refer to “Service Points of Removal”.
SERVICE POINTS OF REMOVAL
1. REMOVAL OF REAR WIPER AND WASHER SWITCH
Insert the trim stick into the switch and pry the switch to remove it from the instrument panel.

INSPECTION
Operate the switch, and check the continuity between the terminals.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7</td>
</tr>
<tr>
<td>Wiper switch</td>
<td>ON</td>
</tr>
<tr>
<td></td>
<td>OFF</td>
</tr>
<tr>
<td></td>
<td>INT</td>
</tr>
<tr>
<td>Washer switch</td>
<td>ON</td>
</tr>
<tr>
<td></td>
<td>OFF</td>
</tr>
</tbody>
</table>

NOTE
○—○ indicates that there is continuity between the terminals.